
New Combinations in Eastern North American *Elymus* (Poaceae)

Julian J. N. Campbell

The Nature Conservancy, 642 W. Main St., Lexington, Kentucky 40508, U.S.A.

ABSTRACT. Two new varietal combinations are made in the grass genus *Elymus*: *E. glabriflorus* (Vasey) Scribner & Ball var. *australis* (Scribner & Ball) J. J. N. Campbell, and *E. villosus* Muhlenberg var. *arkansanas* (Scribner & Ball) J. J. N. Campbell.

The following new combinations have been found necessary in preparing the treatment of eastern *Elymus* species for the forthcoming *Manual of North American Grasses* (M. E. Barkworth & K. Capels, editors, in prep.).

Elymus glabriflorus (Vasey) Scribner & Ball var. ***australis*** (Scribner & Ball) J. J. N. Campbell, comb. nov. Basionym: *Elymus australis* Scribner & Ball, U.S.D.A. Div. Agrostol. Bull. 24: 46. 1901. TYPE: U.S.A. North Carolina: *Biltmore Herbarium 411b* (holotype, US).

Elymus villosus Muhlenberg var. ***arkansanas*** (Scribner & Ball) J. J. N. Campbell, comb. nov. Basionym: *Elymus arkansanas* Scribner & Ball, U.S.D.A. Div. Agrostol. Bull. 24: 45. 1901. TYPE: U.S.A. Arkansas: *Harvey 7* in part (holotype, US).

In most recent treatments, these taxa have generally been recognized at the forma level or not at all. The morphological differences are largely a matter of presence or absence of pubescence in the spike. However, each taxon is locally more frequent than typical plants of the species, and there appear to be some associations with different habitats and some geographic trends.